

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                 | Default Operator | Plurals | Time Stamp          |
|-------|------|--|-------------------------------------|------------------|---------|---------------------|
| S1    | 4224 | (455/436 455/440 455/437 455/525 370/331)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>11:54 |
| S2    | 764  | GPS and pilot with signal  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>11:55 |
| S3    | 1    | downconvert\$2 and filter and ((GPS and pilot with signal) and (455/436 455/440 455/437 455/525 370/331))                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>11:56 |
| S4    | 94   | ((GPS and pilot with signal) and (455/436 455/440 455/437 455/525 370/331))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>13:11 |
| S5    | 70   | ((GPS and pilot with signal and handoff) and (455/436 455/440 455/437 455/525 370/331))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>13:11 |
| S6    | 32   | ((GPS and pilot with signal and hard with handoff) and (455/436 455/440 455/437 455/525 370/331))                                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>13:15 |
| S7    | 0    | ((GPS and pilot with signal and hard with handoff and downconvert down with convert\$3) and (455/436 455/440 455/437 455/525 370/331)) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>13:13 |
| S8    | 16   | ((GPS and pilot with signal and hard with handoff and filter) and (455/436 455/440 455/437 455/525 370/331))                           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>13:17 |
| S9    | 8    | ((GPS and pilot with signal and hard with handoff and filter and convert) and (455/436 455/440 455/437 455/525 370/331))               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR              | :ON     | 2003/05/22<br>14:52 |

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| S10 | :1   | "5357544.pn."  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>14:38 |
| S11 | :13  | "5357544".URPN.                                      | USPAT                               | :OR | :OFF | 2003/05/22<br>13:30 |
| S12 | :0   | "5357544.pn" and handoff                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:07 |
| S13 | :1   | "6321090".pn.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>14:52 |
| S14 | :1   | "6321090.pn.and" hard with handoff                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:06 |
| S15 | :1   | "6321090.pn.and" hard with handoff and GPS and pilot | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>14:53 |
| S16 | :0   | "5357544.pn" and mobile                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:19 |
| S17 | :0   | "5357544.pn" and zero                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:19 |
| S18 | :0   | zero with intermediate with frequency                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:20 |
| S19 | :0   | zero with intermediate with frequency                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:20 |
| S20 | :955 | zero with intermediate with frequency                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:20 |

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| S21 | :53   | zero with intermediate with frequency and pilot and convert  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/22<br>15:24 |
| S22 | :10   | "zero intermediate frequency" and pilot and convert  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/23<br>12:42 |
| S23 | :1    | "6321090".pn. and pilot with hard  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :ON  | 2003/05/23<br>12:43 |
| S24 | :2    | ((("5357544") or ("6321090")).PN.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>09:29 |
| S25 | :204  | (downconvert demodulat\$3) near3 channels and base adj band and filter\$3                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>14:48 |
| S26 | :20   | (downconvert demodulat\$3) near3 channels same base adj band same filter\$3                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>14:58 |
| S27 | :0    | on near2 channel with out near2 channel with (downconvert demodulate)                                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>15:04 |
| S28 | :0    | ("6690735").URPN.  | USPAT                               | :OR | :OFF | 2006/09/22<br>15:27 |
| S29 | :1    | ((("6088406").PN. OR ("6690735").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR    | :OR | :OFF | 2006/09/22<br>15:27 |
| S30 | :4604 | ((455/436,437,168.1,197.1,224,213) or (375/148)).COLS.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>15:34 |
| S31 | :8    | hand adj (off over) and amplify\$3 and mix\$3 and (downcovert demodulat\$3) and base adj band and<br>gps | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>15:30 |
| S32 | :0    | ("2004/0198440").URPN.   | USPAT                               | :OR | :OFF | 2006/09/22<br>15:34 |

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| S33 | 7787 | ((455/436,437,168.1,197.1,224,213,550.1,556.1) or (375/148)).COLS.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>16:03 |
| S34 | 0    | hard near3 off near3 hand and amplify and mix and filter and base adj band  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>16:04 |
| S35 | 6    | hard near3 off and amplify and mix and filter and base adj band   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>16:31 |
| S36 | 79   | soliman near2 samir   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/22<br>16:32 |
| S37 | 67   | soliman near2 samir   | US-<br>PGPUB;<br>USPAT              | :OR | :OFF | 2006/09/24<br>13:46 |
| S38 | 1    | ("6865376").PN.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2006/09/26<br>08:51 |
| S39 | 12   | ("20020101907"   "20020107033"   "20020123319"   "20020163391"   "20020173337"   "20020183016"   "20030206076"   "6097974"   "6317608"   "6553210"   "6600385"   "6667723").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR    | :OR | :OFF | 2006/09/26<br>08:52 |
| S40 | 22   | "5357544"   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/02/20<br>12:16 |
| S41 | 1    | ("5357544").PN.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/02/20<br>12:16 |
| S42 | 21   | ("5357544").URPN.   | USPAT                               | :OR | :OFF | 2007/02/20<br>12:24 |
| S43 | 0    | on with channel and out with channel  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/02/20<br>13:15 |

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| S44 | :5    | "on-channel" and "out-of-channel"   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/02/20<br>13:17 |
| S45 | :2    | "on-channel" and "out-of-channel" and handoff   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/02/20<br>13:17 |
| S46 | :0    | ("2003/0060230").URPN.  | USPAT                               | :OR | :OFF | 2007/02/20<br>16:17 |
| S47 | :762  | composite with signal with decoding   | USPAT                               | :OR | :OFF | 2008/01/20<br>20:57 |
| S48 | :10   | composite with signal with decoding and pilot same traffic  | USPAT                               | :OR | :OFF | 2007/02/21<br>09:04 |
| S49 | :582  | demodulat\$4 same pilot with signal same (baseband based with band)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:55 |
| S50 | :299  | demodulat\$4 with pilot with signal same (baseband based with band)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:49 |
| S51 | :186  | demodulat\$4 with pilot with signal with (baseband based with band)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:49 |
| S52 | :92   | demodulat\$4 with pilot with signal with (baseband based with band) and amplif\$4 and filter\$4             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:54 |
| S53 | :0    | demodulat\$4 with pilot with signal with (baseband based with band) and amplif\$4 and filter\$4 and handoff | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:54 |
| S54 | :12   | demodulat\$4 same pilot with signal same (baseband based with band) and hard with (handoff handover)        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2007/03/07<br>10:55 |
| S55 | :8    | ("4197496").URPN.   | USPAT                               | :OR | :OFF | 2008/01/17<br>18:41 |
| S56 | :3132 | software near3 radio  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/01/20<br>11:32 |

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| S57 | 2430 | software near2 radio  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/01/20<br>20:56 |
| S58 | 305  | software near2 radio and (handover handoff)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/01/20<br>20:55 |
| S59 | 0    | software near2 radio and in near2 bound and out near2 bound                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/01/20<br>20:56 |
| S60 | 56   | lowpass near2 filter same LNA same oscillator   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/01/20<br>21:06 |
| S61 | 8    | {"3153192"   "3806809"   "5909645"   "5978362"   "6009129"   "6052566"   "6140858").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR    | :OR | :OFF | 2008/01/22<br>12:20 |
| S62 | 66   | (search scan) near3 (handoff hand adj off handover) with pilot                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/07/24<br>12:41 |
| S63 | 8    | (search scan) near3 (handoff hand adj off handover) with pilot and low near3 filter     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/07/24<br>12:44 |
| S64 | 2    | {"("5357544") or ("4282401")}.PN.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2008/07/24<br>13:00 |
| S65 | 1    | "09965341"  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/16<br>17:55 |
| S66 | 23   | CDMA and DSP with (detect\$4 isolat\$4 determin\$4) with pilot near3 (signal frequency) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/16<br>18:07 |
| S67 | 1391 | cdma and (handoff handover) same pilot near3 signal                                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>16:56 |

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| S68 | 9    | cdma and (handoff handover) same pilot near3 signal same baseband near2 signal   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>16:56 |
| S69 | 2    | 09/965341  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:00 |
| S70 | 7370 | (455/436,437,440,133,134,135,150.1,161.1,161.2,187.1,188.2,192.1,226).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:16 |
| S71 | 327  | select\$4 with (base adj station candidate) with quality and S70   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:17 |
| S72 | 101  | select\$4 with (base adj station candidate) with quality and pilot near2 signal and S70  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:17 |
| S73 | 94   | select\$4 with (base adj station candidate) with quality and pilot near2 signal and (hand adj off handoff handover) and S70            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:18 |
| S74 | 19   | select\$4 with (base adj station candidate) with quality and pilot near2 signal and hard near3 (hand adj off handoff handover) and S70 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:22 |
| S75 | 0    | 455/436 and 455/455/161.3  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:29 |
| S76 | 48   | 455/436 and 455/161.3  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/06/30<br>17:29 |
| S77 | 2    | US-1200404-\$ DID. OR US-6009129-\$ DID. OR JP-20010420-\$ DID.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/07/02<br>14:14 |
| S78 | 77   | low near2 filter with (baseband base adj band) same pilot  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | :OR | :OFF | 2009/07/02<br>16:47 |

7/5/09 3:23:25 PM

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